

Appendix D List of Acronyms and Abbreviations

°F	degrees Fahrenheit
µg/m ³	micrograms per cubic meter
AADT	average annual daily traffic
AB	Assembly Bill
ACM	asbestos-containing material
ADA	Americans with Disabilities Act
ADL	aerially deposited lead
ADT	average daily traffic
a/mvm	accidents per million vehicle miles
APE	Area of Potential Effect
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
AR4	Fourth Assessment Report
ARB	California Air Resources Board
ASR	Archaeological Survey Report
ASTM	American Society for Testing and Materials
AUX	auxiliary
BA	Biological Assessment
BACT	Best Available Control Technology
Basin	South Coast Air Basin

BAU	business-as-usual
BFE	Base Flood Elevation
bgs	below ground surface
BMPs	Best Management Practices
BSA	Biological Study Area
BTU	British thermal unit
CAA	Clean Air Act
CAFÉ	Corporate Average Fuel Economy
Cal/EPA	California Environmental Protection Agency
Cal-IPC	California Invasive Species Council
Caltrans	California Department of Transportation
CCAA	California Clean Air Act
CCTV	closed-circuit television
CDFW	California Department of Fish and Wildlife
CE	Categorical Exclusion
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CERFA	Community Environmental Response Facilitation Act of 1992
CESA	California Endangered Species Act
CFG	California Fish and Game
CFR	Code of Federal Regulations

CGS	California Geological Survey
CH ₄	methane
CHHBI	Caltrans Historic Highway Bridge Inventory
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
CMIA	Corridor Mobility Improvement Account
CMP	Congestion Management Program
CMS	changeable message sign
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CO-CAT	Coastal Ocean Climate Action Team
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
CTC	California Transportation Commission
CTP	California Transportation Plan
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
d/c	demand volume to capacity

DDT	dichlorodiphenyltrichloroethane
DOI	United States Department of the Interior
DPM	diesel particulate matter
DSA	disturbed soil area
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EJ IWG	Environmental Justice Interagency Working Group
EO	Executive Order
EPA	United States Environmental Protection Agency
EPACT92	Energy Policy Act of 1992
ESA	environmentally sensitive area
FAI	Federal Aid Interstate
FCAA	Federal Clean Air Act
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIRM	Flood Insurance Rate Map
FIS	Flood Insurance Study
FMMP	Farmland Mapping and Monitoring Program

FONSI	Finding of No Significant Impact
FPPA	Farmland Protection Policy Act
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
GHG	greenhouse gas
GIS	geographic information system
GP	General Purpose
GWP	global warming potential
H ₂ S	hydrogen sulfide
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HHS	Department of Health and Human Services
HMMP	Habitat Mitigation and Monitoring Program
HOV	high-occupancy vehicle
HPSR	Historic Properties Survey Report
I-405	Interstate 405
I-5	Interstate 5
IBC	Irvine Business Complex
ICES	Intermodal Corridors of Economic Significance
ICU	Intersection Capacity Utilization
IGR	Intergovernmental Review
ILFP	In-Lieu Fee Program

IPCC	Intergovernmental Panel on Climate Change
ISA	Initial Site Assessment
IS/EA	Initial Study/Environmental Assessment
ITS	Intelligent Transportation System
JD	Jurisdictional Determination
kV	kilovolt
LACM	Natural History Museum of Los Angeles County
LBP	lead-based paint
lb/day	pounds per day
LCFS	low carbon fuel standard
LED	light-emitting diode
LEDPA	least environmentally damaging practicable alternative
L _{eq}	equivalent noise level
LF	linear feet
LOP	Letter of Permission
LOS	Level of Service
LPS	Locally Preferred Strategy
LTRMP	Long-Term Resource Management Plan
LWCF	Land and Water Conservation Fund
M1	Measure M
M2	Renewed Measure M
MAP-21	Moving Ahead for Progress in the 21 st Century

MBTA	Migratory Bird Treaty Act
MCWD	Mesa Consolidated Water District
MIS	Major Investment Study
MLD	Most Likely Descendent
MMTCO ₂ e	million metric tons of carbon dioxide equivalent
MND	Mitigated Negative Declaration
MOU	Memorandum of Understanding
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MS4	municipal separate storm sewer system
MSAT	mobile source air toxics
msl	mean sea level
MWD	Metropolitan Water District
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NADR	Noise Abatement Decision Report
NAHC	Native American Heritage Commission
NB	northbound
NCCP/HCP	Natural Community Conservation Plan/Habitat Conservation Plan
ND	Negative Declaration

NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act of 1966
NHS	National Highway System
NHTSA	National Highway Traffic Safety Administration
NISZ	Newport Inglewood Structural Zone
N ₂ O	nitrous oxide
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NOA	naturally occurring asbestos
NOAA	National Oceanic and Atmospheric Administration
NOAA Fisheries Service	National Oceanic and Atmospheric Administration National Marine Fisheries Service
NOI	Notice of Intent
NOP	Notice of Preparation
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSR	Noise Study Report
O ₃	ozone
OC	overcrossing

OCFCD	Orange County Flood Control District
OCR	<i>Orange County Register</i>
OCSD	Orange County Sanitation District
OCTA	Orange County Transportation Authority
OCTAM	Orange County Transportation Analysis Model
OCWD	Orange County Water District
OH	overhead
OHWM	ordinary high water mark
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Act
OSTP	Office of Science and Technology Policy
PA	Programmatic Agreement
PA/ED	Project Approval/Environmental Document
PALM	Project Aesthetics and Landscape Masterplan
Pb	lead
PCBs	polychlorinated biphenyls
pc/mi/ln	passenger cars per mile per lane
PDT	Project Development Team
PEC	potential environmental concerns
PeMS	Performance Monitoring System
PID	photoionization detector
PIR/PER	Paleontological Identification Report and Paleontological Evaluation Report

PL	Public Law
PM	Postmile
PM _{2.5}	particulate matter less than 2.5 microns in diameter
PM ₁₀	particulate matter less than 10 microns in diameter
PMP	Paleontological Mitigation Plan
PMR	Paleontological Mitigation Report
POAQC	Project of Air Quality Concern
POC	pedestrian overcrossing
ppb	parts per billion
ppm	parts per million
PRC	Public Resources Code
PR/ED	Project Report/Environmental Document
PS&E	Plans, Specifications, and Estimates
PSR-PDS	Project Study Report-Project Development Support
RAP	Relocation Assistance Program
RCB	reinforced concrete box
RCRA	Resource Conservation and Recovery Act of 1976
RECs	recognized environmental conditions
ROG	reactive organic gas
ROW	right-of-way
RSA	Resource Study Area
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy

RWQCB	Regional Water Quality Control Board
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SAMP	Special Area Management Plan
SB	southbound
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SDC	Seismic Design Criteria
SF ₆	sulfur hexafluoride
SFHA	Special Flood Hazard Area
SHELL	Subsystem of Highways for the Movement of Extra-Legal Loads
SHOPP	State Highway Operations and Protection Program
SHPO	State Historic Preservation Officer
SHPSR	Supplemental Historic Property Survey Report
SIP	State Implementation Plan
SM&I	Structure Maintenance & Investigations
SO ₂	sulfur dioxide
SO _x	sulfur oxides
SR-55	State Route 55
SR-133	State Route 133

STAA	Surface Transportation Assistance Act
STIP	State Transportation Improvement Program
STRAHNET	Strategic Highways Network
SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TASAS	Traffic Accident Surveillance and Analysis Systems
TCE	Temporary Construction Easement
TCWG	Transportation Conformity Working Group
TDC	targeted design constituents
TDM	Transportation Demand Management
TMDL	Total Maximum Daily Load
TMP	Transportation Management Plan
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
TPZ	Timber Production Zones
TSAR	TASAS Selective Accident Retrieval
TSCA	Toxic Substances Control Act
TSM	Transportation System Management
UCI	University of California, Irvine
UCPP	United Coalition to Protect Panhe
USACE	United States Army Corps of Engineers

USC	United States Code
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
v/c	volume to capacity
VIA	Visual Impact Assessment
VMT	vehicle miles traveled
VOCs	volatile organic compounds
vph	vehicles per hour
vphpl	vehicles per hour per lane
VRP	visibility-reducing particles
WDR	Waste Discharge Requirement
WPCP	Water Pollution Control Program

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